

AMENDMENTS TO THE CLAIMS

The following Listing of Claims will replace all prior versions and listings of claims in this application.

LISTING OF CLAIMS

1. (Currently amended) An X-ray image processing device for creating a display image from an X-ray image in which at least a marker image and a body part image ~~two spatially separate objects~~ are displayed, wherein part-images which show the marker image and body part image ~~objects~~ are determined in the X-ray image and the part-images are arranged in the display image in a spatially separate manner, wherein the size of the display image is such that the part of the display image that is free of the part-images is smaller than the corresponding part of the X-ray image.
2. (Currently amended) An X-ray imaging device comprising:
 - an X-ray source for generating X-ray radiation,
 - an X-ray image detector for acquiring X-ray images,
 - an image processing device for creating a display image from an X-ray image in which at least ~~two spatially separate objects~~ a marker image and a body part image are displayed, wherein part-images which show the marker image and body part image ~~objects~~ are determined in the X-ray image and the part-images are arranged in the display image in a spatially separate manner, wherein the size of the display image is such that the part of the display image that is free of the part-images is smaller than the corresponding part of the X-ray image.
3. (Currently amended) The ~~[[An]]~~ X-ray device ~~as claimed in~~ of claim 2, wherein in each case the same surface area of the X-ray image detector is exposed to X-ray radiation as the X-ray images are being created.
4. (Currently amended) The ~~[[An]]~~ image processing device ~~as claimed in~~ of claim 1, wherein the part-images are spaced a minimum distance apart in the display image.

5. (Currently amended) The ~~[[An]]~~ image processing device ~~as claimed in~~ of claim 1, wherein the X-ray images are mammography X-ray images.
6. (Cancelled)
7. (Currently amended) A method ~~[[of]]~~ for creating a display image from an X-ray image, comprising the following steps:
- a) determining part-images, ~~which each show an object~~, in the X-ray image of each of a marker and a body part,
 - b) arranging the part-images in the display image in a spatially separate manner,
 - c) dimensioning the size of the display image such that the part of the display image that is free of the part-images is smaller than the corresponding part of the X-ray image.
8. (Currently amended) The ~~[[A]]~~ method ~~as claimed in~~ of claim 7, comprising the further step:
- d) filling the part of the display image that is free of the part-images with image information from the part of the X-ray image that is free of the part-images.
9. (Currently amended) The ~~[[An]]~~ image processing device ~~as claimed in~~ of claim 1, wherein in order to determine the part-images use is made of a segmenting method in which the image values of the part of the X-ray image that is free of the part-images are determined and a coherent image area which contains mainly pixels with these image values is determined in the X-ray image.
10. (Cancelled)
11. (New) A computer-readable storage medium comprising instructions for creating a display image from an X-ray image comprising:
- a) storing in the medium an X-ray image comprising a marker image and a body part image;
 - b) determining part-images of the marker and the body part from the X-ray image;
 - c) arranging the part-images in a spatially separate manner in the display image in the storage

medium; and

d) dimensioning the size of the display image such that the part of the display image that is free of the part-images is smaller than the corresponding part of the X-ray image.